Hydrologic Model Manager

Short Name	HIAS
Long Name	the Institute for Hydrospheric-Atmospheric Sciences (IHAS), Nagoya University, Model
Description	
Model Type	Numerical hydrological model
Model Objectives	To understand the basin scale heat and water regimes through hydrological modeling
Agency Office	Institute for Global Change Research
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Model Structure	This is a combined model which is composed of a simple SVAT (Soil-Vegetation-Atmosphere Transfer) model, runoff model and river routing model explain snowmelt, evapotranspiration, thawing and freezing of permafrost and river flow
Interception	
Groundwater	
Snowmelt	
Precipitation	
Evapo-transpiration	
Infiltration	
Model Paramters	Index of vegetation condition, thermal conductivity of soil and water flow velocity in the river
Spatial Scale	The maximum is 10,000 km2 for a grid
Temporal Scale	One hour
Input Requirements	Daily routine meteorological data
Computer Requirements	Personal computer or workstation
Model Output	Evapotranspiration and runoff for grid level and discharge for watershed scale
Parameter Estimatn Model Calibrtn	Need
Model Testing Verification	Need
Model Sensitivity	
Model Reliabiity	
Model Application	Small mountainous watershed of Japan and Lena River basin of Siberia
Documentation	
Other Comments	
Date of Submission	5/8/2001 12:29:21 PM
Developer	

Technical Contact	
Contact Organization	